

(No Model.)

G. F. KIMBALL.

BLANK ATTACHMENT FOR TYMPAN SHEETS FOR PRINTING ENVELOPES.

No. 385,060.

Patented June 26, 1888.

Fig. 1

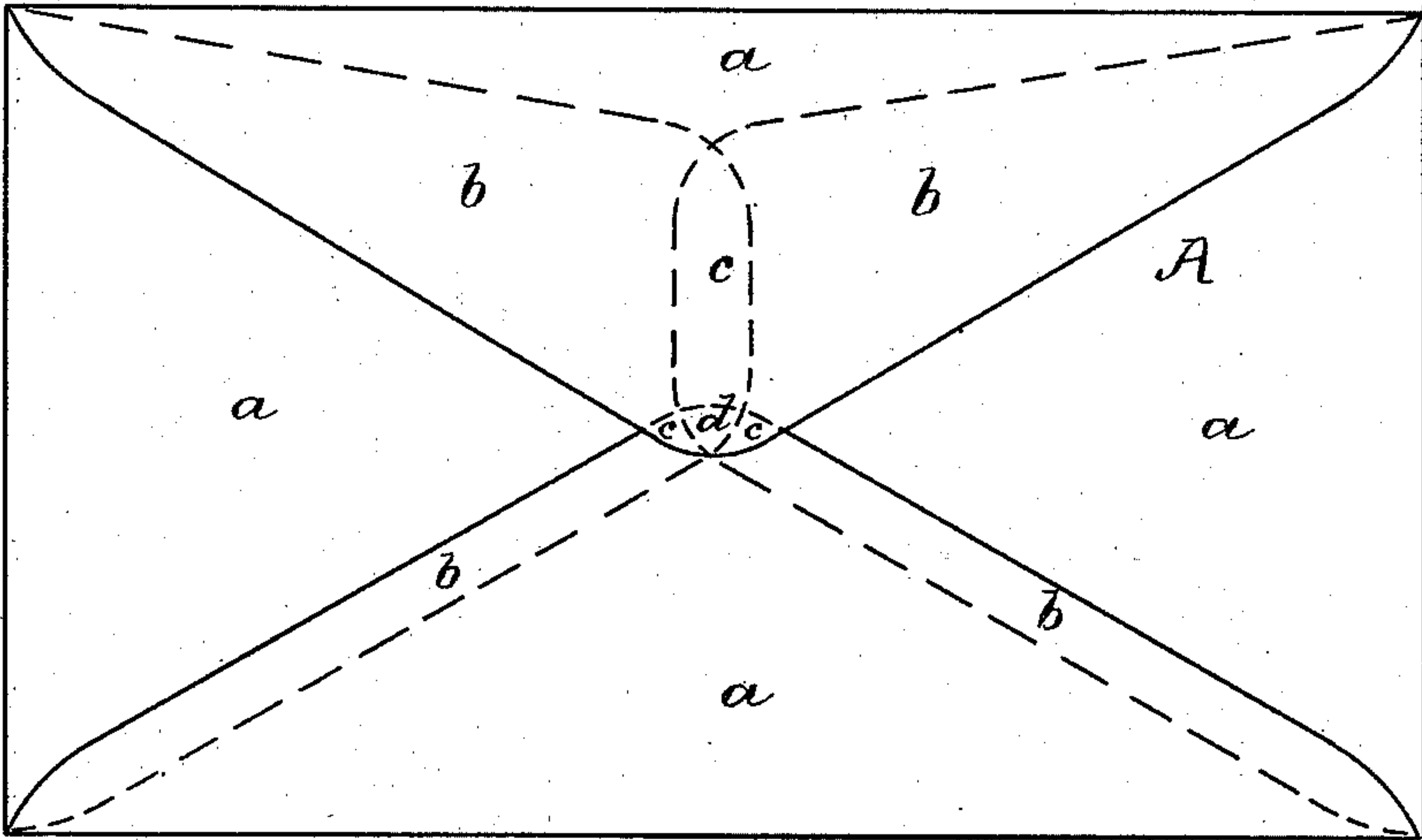
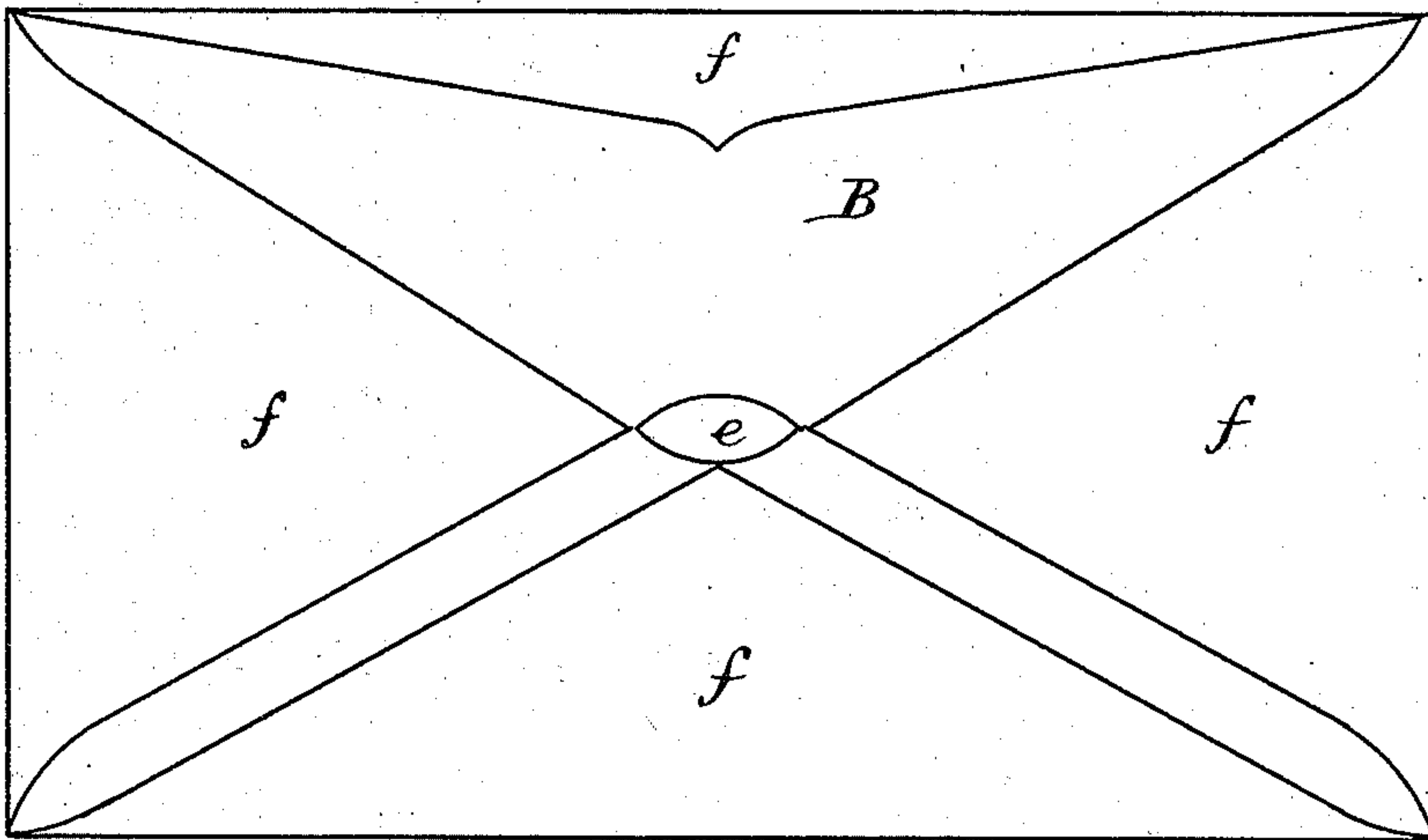


Fig. 2



Witnesses.

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BLANK ATTACHMENT FOR TYMPAN-SHEETS FOR PRINTING ENVELOPES.

SPECIFICATION forming part of Letters Patent No. 385,060, dated June 26, 1888.

Application filed July 22, 1887. Serial No. 244,997. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVUS F. KIMBALL, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented certain new and useful Improvements in Blank Attachments for Tympan-Sheets for Printing Envelopes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to blank attachments for tympan-sheets for printing envelopes; and it consists of a specially-prepared blank, as hereinafter fully described and claimed, whereby the entire surface of the envelope is caused to bear with uniform pressure against the type.

In the drawings, Figure 1 shows an ordinary envelope. Fig. 2 shows a blank specially prepared for use in printing upon the aforesaid envelope.

A is the envelope, which is of ordinary manufacture. The envelope-back is one-ply thick at the parts *a* when placed in the press for being printed upon. At the parts *b* the envelope-back is two-ply thick. At *c* it is three-ply thick, and at the point *d* there are four thicknesses of paper. This variation in the thickness of the various parts of the envelope-back prevents a perfectly clear impression from being printed over the whole of its surface, and to overcome this difficulty the blank B is used. This blank B is laid upon the printing-press, and the envelopes are placed upon it one after another to have the impression printed on them.

The blank is temporarily secured upon the tympan-sheet in any convenient manner, and its outer edges form a guide for placing the envelopes in the press, as they are of the same size as the blank, and are in their correct position to be printed upon when their outer edges coincide with the outer edges of the blank.

The main part of the blank is one-ply thick, and has a hole, *e*, which registers with the four-ply portion *d* of the envelope-back and with the three-ply portions on each side of it. The three-ply portion *c* above *d* is of little consequence, as it is ordinarily very narrow, and,

besides, it comes between the front of the envelope and the flap, and has no gum upon it, as the lower edge of the flap has, above the lower parts, *c*. The hole *e* in the back may, however, be made larger, if desired, to register with all the parts marked *c*. Flaps *f* are formed upon the blank, which make it two-ply thick where they are, and these flaps *f* register with the one-ply portions of the envelope-back.

The blank corresponds with the outline of the envelope in size and shape, and the flaps can be made of any size to suit various patterns in envelopes. The flaps may be bent up from the blank after cutting it to shape, or they may be attached to it with adhesive material.

It is proposed to inclose one or two blanks of the right size and shape with each box of envelopes, which are sold for commercial purposes, and are printed upon before use.

I am aware that in printing it is not broadly new to thicken the tympan sheet by pasting an overlay of thin paper upon it underneath those places where the impression is weak; and I do not claim a tympan-sheet of variable thickness, broadly.

What I claim is—

1. As a new article of manufacture, the blank B, for attachment to the tympan-sheet of a printing-press, provided with flaps which increase its thickness at those places which register with the thinner portions of the envelopes when the envelopes are placed upon it with their edges guided by and coinciding with its edges, substantially as set forth.

2. As a new article of manufacture, the blank B, for attachment to the tympan-sheet of a printing-press, provided with a hole, *e*, and with the flaps *f*, which make it two-ply thick, and which register with the correspondingly-thinner portions of the envelopes when the envelopes are placed upon the blank with their edges guided by and coinciding with its edges, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GUSTAVUS F. KIMBALL.

Witnesses:

W. A. BILLINGS,
J. E. LAYTON.